Wrap-up

SOA

- Focus on the **business** needs
- Re-use & **Encapsulate**
- **Ownership** of the whole service not just a slice
- **Contracts** and a common infrastructure give you uniformity
- Technical standards are important
  - but not as important as **getting the model and architecture right**
- Don't forget the **organizational** issues

Start Small = Pilot Project

- Pilots Are **NOT** Proof of Concepts
  - Proof of Concepts figures out if it works
  - *But Doesn't Solve Business Problems*
  - Pilot tries it out
  - *But Actually Addresses A Business Problem*
- Why Pilot SOA:
  - Build **acceptance** for SOA
  - Work through the challenging aspects of **architecture** and **design**
  - Learn the **skills**
  - Fine-tune **methodologies** for implementing SOA
  - Evaluate the **technologies**
- Primary SOA Pilot Pitfall
  - I forgot the architecture – and focused on the XML/WS/HTTP/etc
  - The old architecture with warmed up interfaces isn't SOA

SOA and Web Services

- Pilot the SOA architecture...not the Web Services.

- Isn't SOA and Web Services Synonymous?
    - NO!!!!
    - Web Services are just **one approach** to SOA

- SOA Pilots Address:
    - Architectural Planning, Modeling and Organization

- Web Services Pilots Address:
    - Implementing a Standards-based Interface.... I can give you a WS in 5 minutes!

- Becoming SOA-focused is a hard effort and will take **time**

"For over 17 years, ISS has been assisting clients transform their IT departments into agile, responsive organizations that successfully deliver high quality business-aligned solutions on time and on budget... meeting or exceeding customer expectations."

What Does This All Mean?

- Service Orientation **will** impact business as much as we saw in the 1990s... it will also take a bit longer

- It is **inevitable**

- Most companies are **on the road** to service orientation... although most of the effort is still in IT

- Are you skeptical?

- It's a Paradigm Shift
  - There Have Been Others...
    - The Personal Computer...
    - The Internet... even my mother does email and web
    - The Man on the Moon...
    - England winning the World Cup...

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Four Pillars of Service Oriented Development

- Pillar 1: Iterative Development

- Pillar 2: User Involvement

- Pillar 3: Contract-first Development

- Pillar 4: Refactoring

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Objectives

- Introduce you to SOA thinking

- Help you understand the challenges as well as the benefits

- Gain an understanding of the technologies and approaches

- Make you think
  - About how SOA fits with Iowa and your organization
  - About how you can apply SOA thinking and models
  - How does the technology fit into your existing world

- Look at how SOA fits with Governance

- Not a sales pitch – a balanced view of the world

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Feedback

- What was good about the day?

- What wasn't good?

- What could we do better?